



Java Quarkus Metrics

JEE Microservices

@ CGS IT – 2023

Version 1.0.5

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Quarkus - Observability

- Quarkus includes microprofile.health and metrics as Microprofile Standards
- This enables health and metrics checks easily for the Micro Service
- Annotations are provided for easy usage

Quarkus - Observability

- Simply add the Quarkus Metrics extension to start with metrics
- See extension page for configuration options

```
<dependency>  
  <groupId>io.quarkus</groupId>  
  <artifactId>quarkus-smallrye-  
metrics</artifactId>  
</dependency>
```

Metrics Example

- Use @Counted for simple count of calls to this api
- Use @Timed to get a standard Timing Framework interceptor to this api path

```
@Path("/metricsResource")
public class MetricsResource {

    @Inject
    Logger LOG;

    @GET
    @Path("/chatMessage")
    @Produces(MediaType.APPLICATION_JSON)
    @Counted(name = "chatMessageFindAllCount", description =
        "How many primality checks have been performed.")
    @Timed(name = "chatMessageFindAllTimer", description =
        "A measure of how long it takes to perform the primality
        test.", unit = MetricUnits.MILLISECONDS)
    public List<ChatMessageDTO> chatMessageFindAll() {
        LOG.info("info chatMessage ");
        List<ChatMessageDTO> result = new ArrayList<>();
        return result;
    }
}
```

Danke für Ihre Aufmerksamkeit